

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/001934

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K31/47 A61K31/4709 A61P25/18 A61P25/26 A61P25/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

4 August 2004

Date of mailing of the international search report

23/08/2004

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/001934

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 98/34111 A (TREGA BIOSCIENCES INC) 6 August 1998 (1998-08-06) page 55, lines 8-12 page 58, lines 8,9 claim 1 See compounds having registry number: 211374-85-4, 211374-91-3, 21137494-6. 211374-95-7, 211374-96-8, 211374-97-9, 211374-98-0, 211374-99-1, 211375-00-7, 211375-01-8, 211375-02-9, 211375-03-0 211375-04-1, 211375-06-3, 211375-07-4, 211375-10-9, 211375-11-0, 211375-12-1, 211375-13-2, 211375-16-5, 211375-17-6, 211375-18-7, 211375-19-8, 211375-20-1, 211375-21-2, 211375-25-6, 211375-26-7, 211375-29-0, 211375-30-3, 211375-31-4, 211375-32-5, 211375-33-6, 211375-34-7, 211375-35-8, 211375-36-9, 211375-37-0, 211375-39-2, 211375-40-5, 211375-46-1, 211375-47-2, 211375-50-7, 211375-61-6</p>	1-6
A	<p>DATABASE REGISTRY CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; 1998, XP002291222 See compounds having registry numbers: 211374-85-4, 211374-91-3, 21137494-6. 211374-95-7, 211374-96-8, 211374-97-9, 211374-98-0, 211374-99-1, 211375-00-7, 211375-01-8, 211375-02-9, 211375-03-0, 211375-04-1, 211375-06-3, 211375-07-4, 211375-10-9, 211375-11-0, 211375-12-1, 211375-13-2, 211375-16-5, 211375-17-6, 211375-18-7, 211375-19-8, 211375-20-1, 211375-21-2, 211375-25-6, 211375-26-7, 211375-29-0, 211375-30-3, 211375-31-4, 211375-32-5, 211375-33-6, 211375-34-7, 211375-35-8, 211375-36-9, 211375-37-0, 211375-39-2, 211375-40-5, 211375-46-1, 211375-47-2, 211375-50-7, 211375-61-6</p>	1-6
X	<p>US 3 631 050 A (ELSLAGER EDWARD F ET AL) 28 December 1971 (1971-12-28) pages 33-38; claims 4,5</p>	3
X	<p>DATABASE CHEMCATS CHEMICAL ABSTRACT SERVICE, COLUMBUS OHIO, US; Accession Number: 2001:2073353 23 April 2003 (2003-04-23), XP002291223 abstract See compound having registry number 318466-00-1</p>	7-9

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/001934

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE CHEMCATS CHEMICAL ABSTRACT, OHIO; See AN 2003: 1940051- 1940080 2002, XP002291224 abstract See accession numbers: 2003:1940051, 2003:1940053, 2003:1940055, 2003:1940056, 2003:1940057, 2003:1940058, 2003:1940059, 2003:1940064, 2003:1940066, 2003:1940067, 2003:1940069, 2003:1940070, 2003:1940071, 2003:1940072, 2003:1940073, 2003:1940074, 2003:1940076, 2003:1940078, 2003:1940079, 2003:1940080.</p>	7,8

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Although claims 1, 2, 5, are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

Continuation of Box II.2

Claims Nos.: -

Due to the expression "conditions in which modulation of the alfa-7 nicotinic receptor is beneficial", present claims 1-6 relate to an extremely large number of possible diseases. Support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the diseases claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to the diseases explicitly mentioned in claim 2.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB2004/001934

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: —
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 1, 2, 5, are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☒ Claims Nos.: —
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.: —
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT
Information on patent family members

International Application No
PCT/GB2004/001934

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9834111	A	06-08-1998	US 5925527 A	20-07-1999
			AU 5592898 A	25-08-1998
			CA 2279980 A1	06-08-1998
			EP 0983507 A1	08-03-2000
			NZ 337046 A	28-01-2000
			WO 9834111 A1	06-08-1998
US 3631050	A	28-12-1971	NONE	